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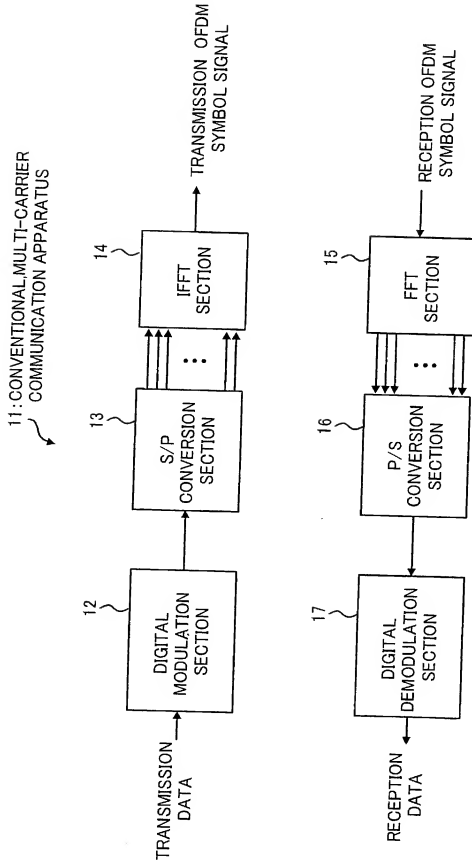


FIG.1

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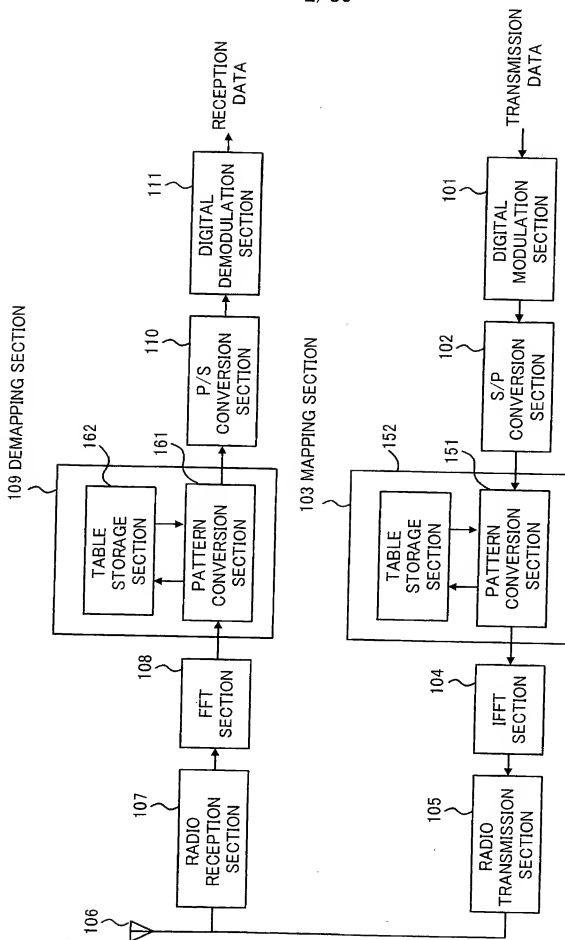


FIG.2

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	PN1	PN2	PN3	PN4	PN5	PN6	PN7	PN8	PN9	PN10	PN11	PN12	PN13	PN14	PN15	PN16
f1	+1	+1	+1	+1	+1	+1	+1	-1	-1	-1	-1	-1	-1	-1	-1	-1
f2	+1	+1	+1	+1	-1	-1	-1	+1	+1	+1	+1	-1	-1	-1	-1	-1
f3	+1	+1	-1	-1	+1	+1	-1	+1	+1	-1	-1	+1	+1	-1	-1	-1
f4	+1	-1	+1	-1	+1	-1	+1	-1	+1	-1	+1	-1	+1	-1	+1	-1

FIG.3

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	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16
f1	+1	+1	+1	+1	-1	-1	-1	-1	+1	+1	+1	+1	-1	-1	-1	-1
f2	+1	+1	-1	-1	+1	+1	-1	-1	+1	+1	-1	-1	+1	+1	-1	-1
f3	+1	-1	+1	-1	+1	+1	-1	-1	0	0	0	0	0	0	0	0
f4	0	0	0	0	0	0	0	0	+1	-1	+1	-1	+1	-1	+1	-1
f1	+1	+1	+1	+1	-1	-1	-1	-1	0	0	0	0	0	0	0	0
f2	0	0	0	0	0	0	0	0	+1	+1	+1	+1	-1	-1	-1	-1
f3	+1	+1	-1	-1	+1	+1	-1	-1	+1	+1	-1	-1	+1	+1	-1	-1
f4	+1	-1	+1	-1	+1	-1	+1	-1	+1	-1	+1	-1	+1	-1	+1	-1

FIG.4

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PRE-CONVERSION OFDM SYMBOL PATTERN					POST-CONVERSION OFDM SYMBOL PATTERN				
f1	f2	f3	f4		f1	f2	f3	f4	
PN1	+1	+1	+1		+1	+1	+1	0	P1
PN2	+1	+1	-1		+1	-1	+1	0	P3
PN3	+1	+1	+1		-1	+1	+1	0	P5
PN4	+1	+1	-1		-1	-1	+1	0	P7
PN5	+1	-1	+1		+1	+1	0	+1	P9
				
				
				
PN16	-1	-1	-1	-1	0	-1	-1	+1	P31

FIG.5

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	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16
f1	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1
f2	+1	+1	+1	+1	+1	+1	+1	+1	-1	-1	-1	-1	-1	-1	-1	-1
f3	+1	+1	+1	+1	-1	-1	-1	-1	+1	+1	+1	+1	-1	-1	-1	-1
f4	+1	+1	-1	-1	+1	+1	-1	-1	+1	+1	-1	-1	+1	+1	-1	-1
f5	+1	-1	+1	-1	+1	-1	+1	-1	+1	-1	+1	-1	+1	-1	+1	-1
f1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
f2	+1	+1	+1	+1	+1	+1	+1	+1	-1	-1	-1	-1	-1	-1	-1	-1
f3	+1	+1	+1	+1	-1	-1	-1	-1	+1	+1	+1	+1	-1	-1	-1	-1
f4	+1	+1	-1	-1	+1	+1	-1	-1	+1	+1	-1	-1	+1	+1	-1	-1
f5	+1	-1	+1	-1	+1	-1	+1	-1	+1	-1	+1	-1	+1	-1	+1	-1

FIG.6

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PRE-CONVERSION OFDM SYMBOL PATTERN					POST-CONVERSION OFDM SYMBOL PATTERN				
f1	f2	f3	f4	f5	f1	f2	f3	f4	
+1	+1	+1	+1	+1	+1	+1	+1	0	
+1	+1	+1	+1	-1	+1	+1	-1	0	
+1	+1	+1	-1	+1	+1	-1	+1	0	
+1	+1	+1	-1	-1	+1	-1	-1	0	
+1	+1	-1	+1	+1	-1	+1	+1	0	
-1	-1	-1	-1	-1	0	-1	-1	-1	

FIG. 7

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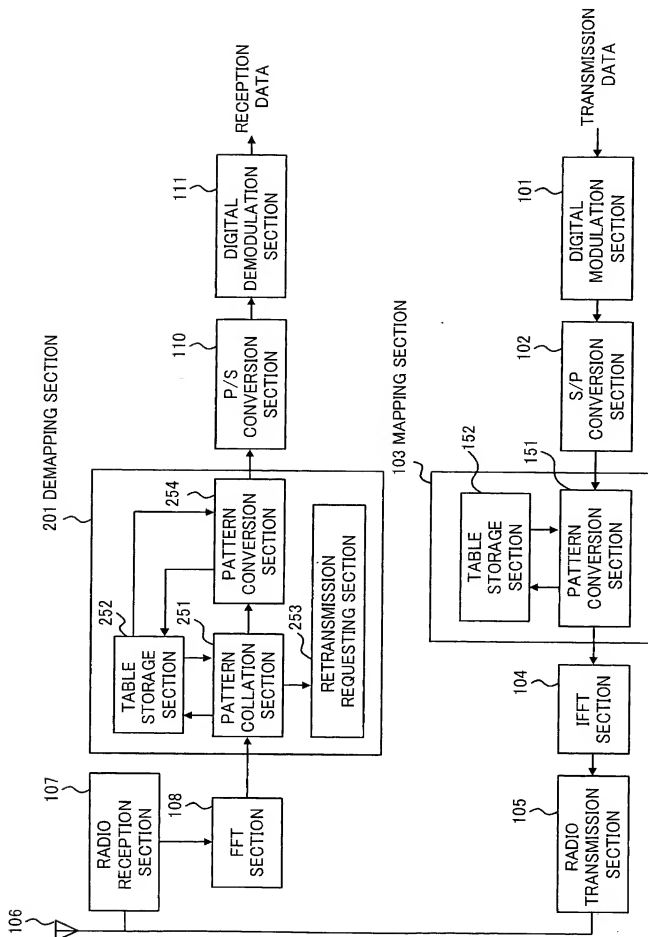


FIG.8

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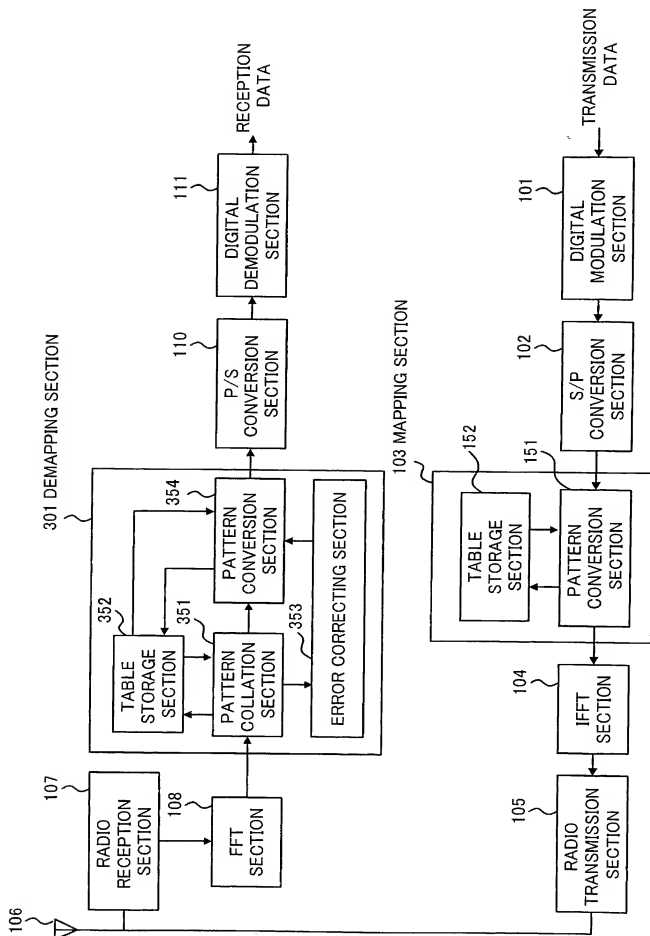


FIG.9

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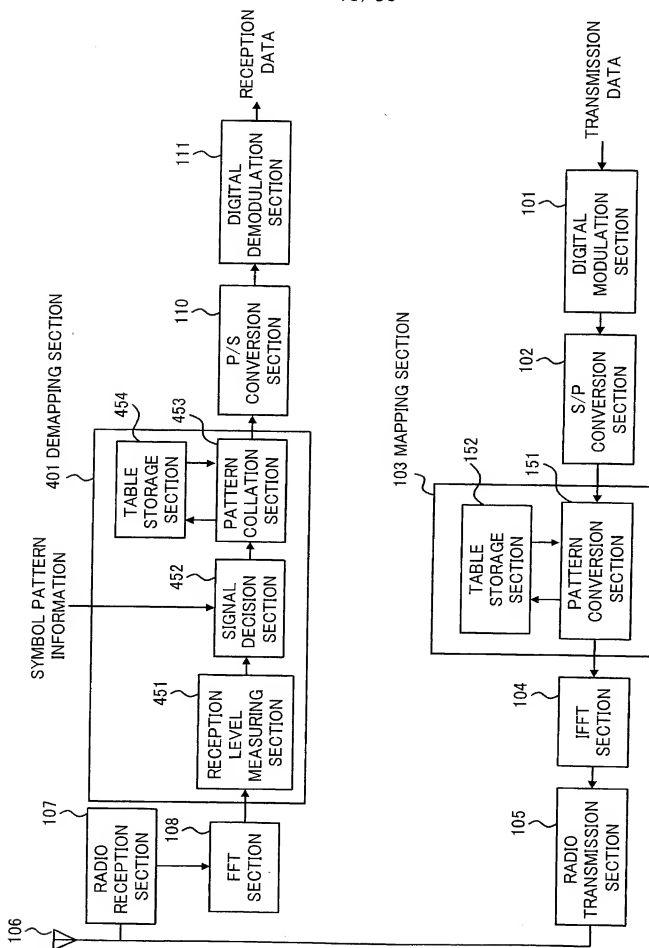


FIG. 10

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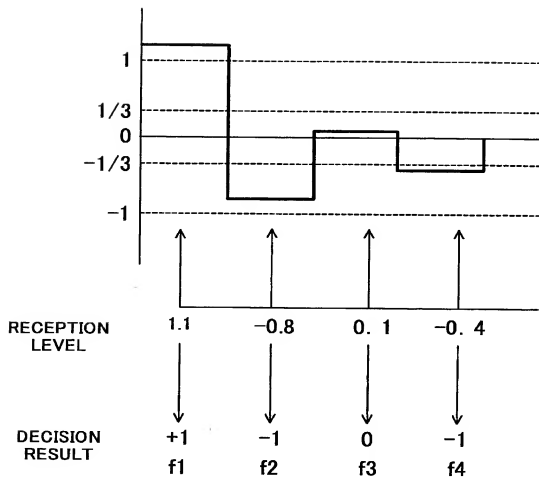


FIG.11

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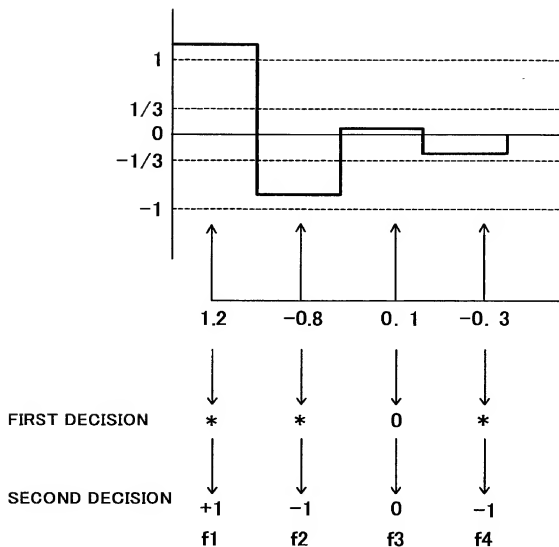


FIG.12

[illegible]

FIG. 13

		PRE-CONVERSION OFDM SYMBOL PATTERN				POST-CONVERSION OFDM SYMBOL PATTERN			
		f1	f2	f3	f4	f1	f2	f3	f4
PN1	PN1	+1	+1	+1	+1	+1	+1	0	P1
	PN1	+1	+1	+1	+1	+1	+1	0	P9
	PN2	+1	+1	+1	-1	+1	-1	0	P3
	PN2	+1	+1	+1	-1	-1	0	+1	P11
PN3	PN3	+1	+1	-1	+1	-1	+1	0	P5
	PN3	+1	+1	-1	+1	+1	0	+1	P13
	PN4	+1	+1	-1	-1	-1	+1	0	P7
	PN4	+1	+1	-1	-1	-1	0	+1	P15
PN16									
PN16	-1	-1	-1	-1	0	-1	-1	-1	P32
	-1	-1	-1	-1	-1	0	-1	-1	P24

FIG. 14

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	P101	P102	P103	P104	P105	P106	P107	P108	P109	P110	P111	P112	P113	P114	P115	P116
f1	+1	+1	+1	+1	+1	+1	+1	+1	0	0	0	0	+1	+1	+1	+1
f2	+1	+1	+1	+1	0	0	0	0	+1	+1	+1	+1	-1	-1	-1	-1
f3	0	0	0	0	+1	+1	+1	+1	+1	+1	+1	+1	0	0	0	0
f4	+1	+1	-1	-1	+1	+1	-1	-1	0	0	0	0	+1	+1	-1	-1
f5	+1	-1	+1	-1	0	0	0	0	+1	+1	-1	-1	+1	-1	+1	-1
f6	0	0	0	0	+1	-1	+1	-1	+1	-1	+1	-1	0	0	0	0

FIG.15

[illegible]

FIG.16

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	PATTERN GROUP1	PATTERN GROUP2	PATTERN GROUP3	PATTERN GROUP4
GROUP1	x x x x x 00	x x x x x 0 x 0	x x x 0 x x x 0	0 x x x x x x 0
GROUP2	x x x x 00 x x	x x x x 0 x 0 x	x x 0 x x x 0 x	x 0 x x x x 0 x
GROUP3	x x 00 x x x x	x 0 x 0 x x x x	x 0 x x x 0 x x	x x 0 x x 0 x x
GROUP4	00 x x x x x x	0 x 0 x x x x x	0 x x x x 0 x x	x x x 00 x x x

x: +1 OR -1

FIG.17

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	PRE-CONVERSION OFDM SYMBOL PATTERN								POST-CONVERSION OFDM SYMBOL PATTERN							
	f1	f2	f3	f4	f5	f6	f7	f8	f1	f2	f3	f4	f5	f6	f7	f8
PN1	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1	0	0	P101
PN2	+1	+1	+1	+1	+1	+1	+1	-1	+1	+1	+1	+1	-1	0	0	P102
PN3	+1	+1	+1	+1	+1	+1	-1	+1	+1	+1	+1	-1	+1	0	0	P103
PN4	+1	+1	+1	+1	+1	+1	-1	-1	+1	+1	+1	-1	-1	0	0	P104

PN65	+1	-1	+1	+1	+1	+1	+1	+1	+1	+1	+1	0	0	+1	+1	P165
PN66	+1	-1	+1	+1	+1	+1	+1	-1	+1	+1	+1	0	0	+1	-1	P166
PN67	+1	-1	+1	+1	+1	+1	-1	+1	+1	+1	+1	0	0	-1	+1	P167
PN68	+1	-1	+1	+1	+1	+1	-1	-1	+1	+1	+1	0	0	-1	-1	P168

PN255	-1	-1	-1	-1	-1	-1	-1	+1	0	0	-1	-1	-1	-1	+1	P355
PN256	-1	-1	-1	-1	-1	-1	-1	-1	0	0	-1	-1	-1	-1	-1	P356

FIG.18

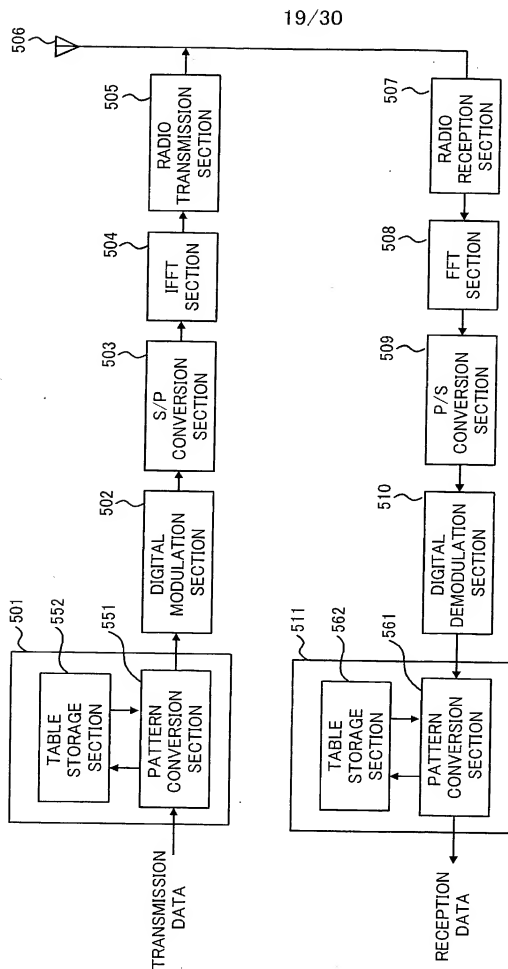


FIG.19

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PRE-CONVERSION DATA	POST-CONVERSION 3-VALUE DATA
0 0 0 0	+1 +1 +1 0
0 0 0 1	+1 -1 +1 0
0 0 1 0	-1 +1 +1 0
0 0 1 1	-1 -1 +1 0
0 1 0 0	+1 +1 0 +1
0 1 0 1	+1 -1 0 +1
0 1 1 0	-1 +1 0 +1
0 1 1 1	-1 -1 0 +1
1 0 0 0	+1 0 +1 +1
1 0 0 1	+1 0 -1 +1
1 0 1 0	-1 0 +1 +1
1 0 1 1	-1 0 -1 +1
1 1 0 0	0 +1 +1 +1
1 1 0 1	0 +1 -1 +1
1 1 1 0	0 -1 +1 +1
1 1 1 1	0 -1 -1 +1

FIG.20

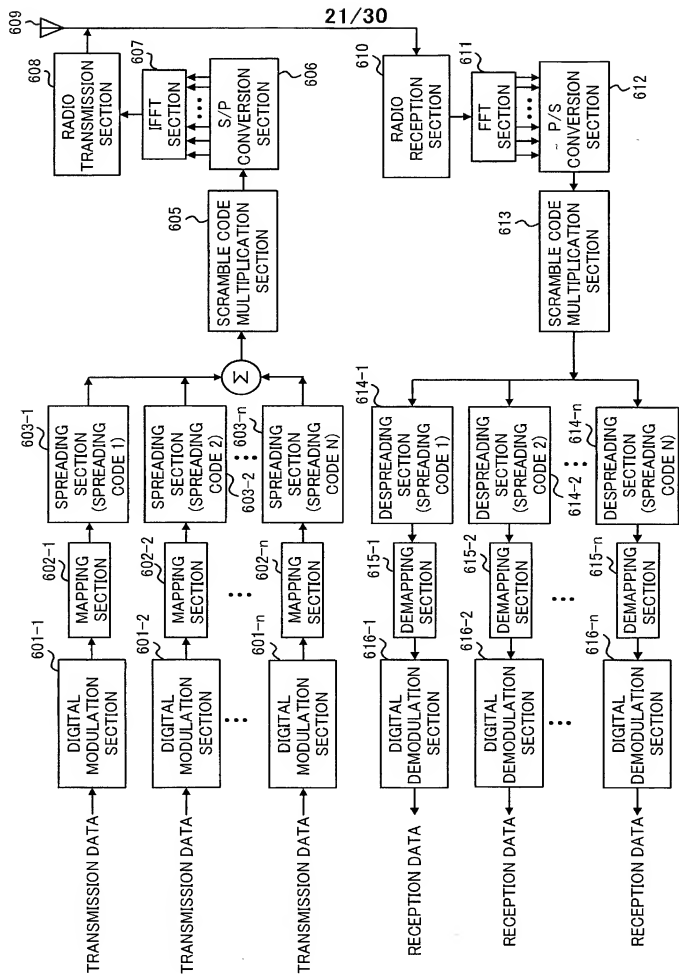


FIG.21

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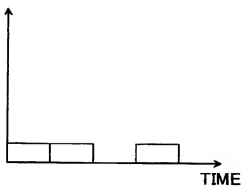


FIG. 22A

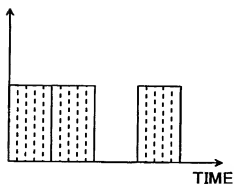


FIG. 22B

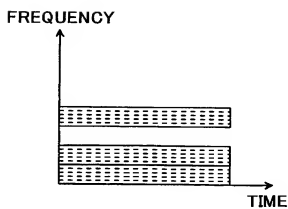


FIG. 22C

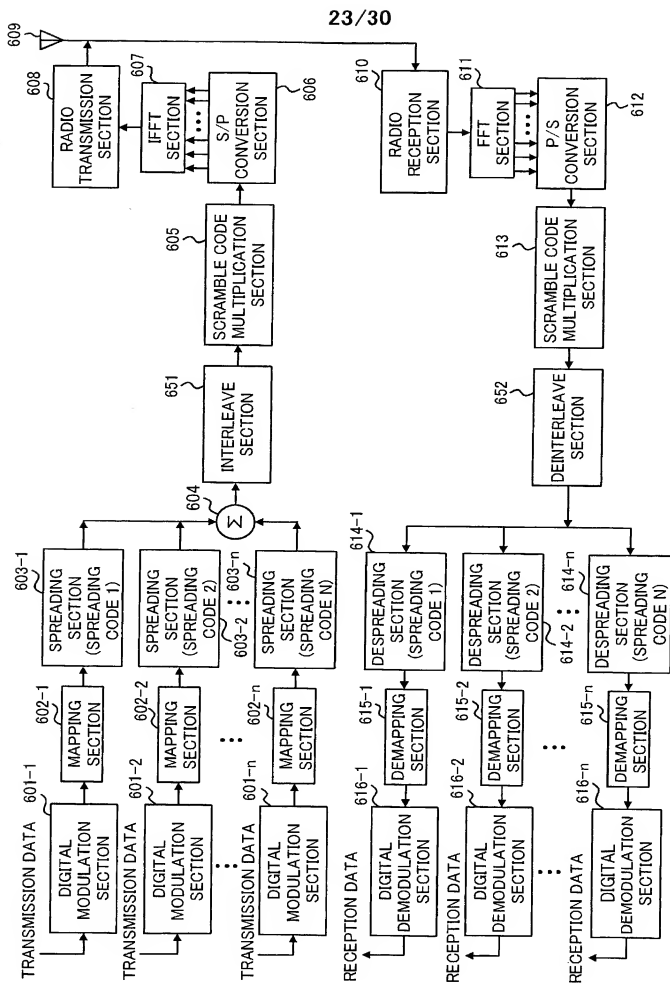


FIG.23

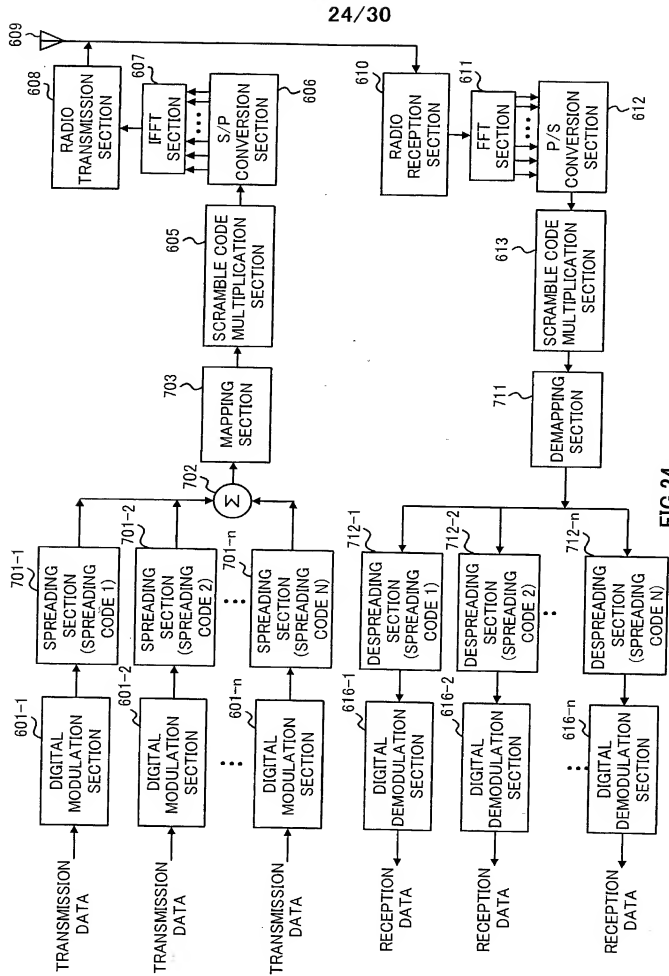


FIG. 24

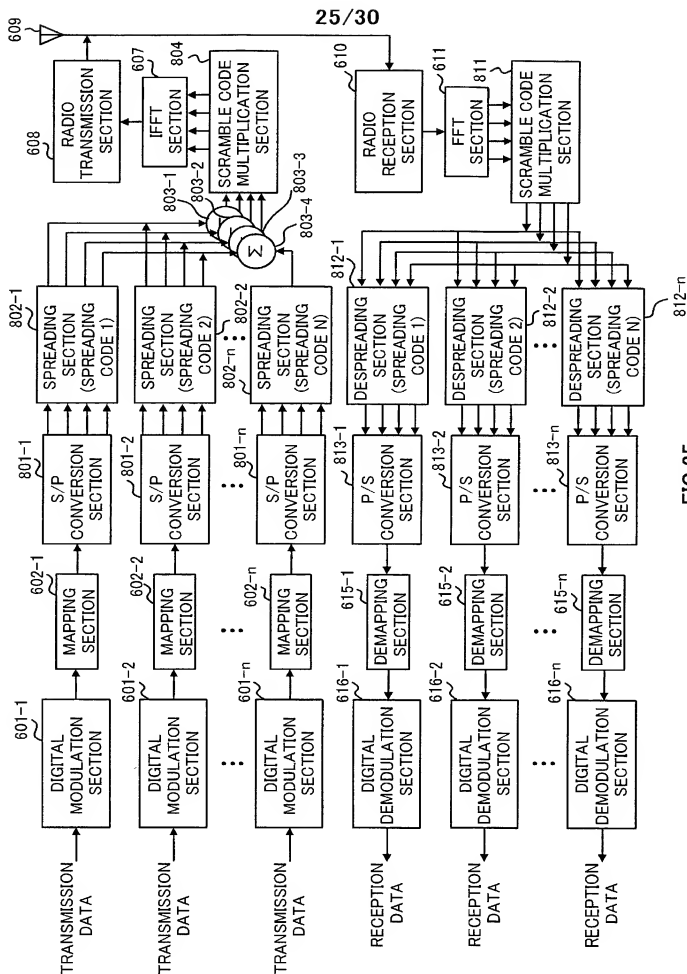


FIG. 25

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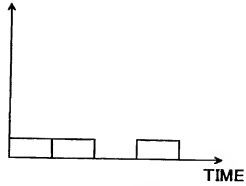


FIG. 26A

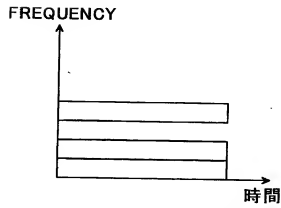


FIG. 26B

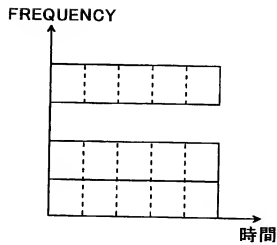


FIG. 26C

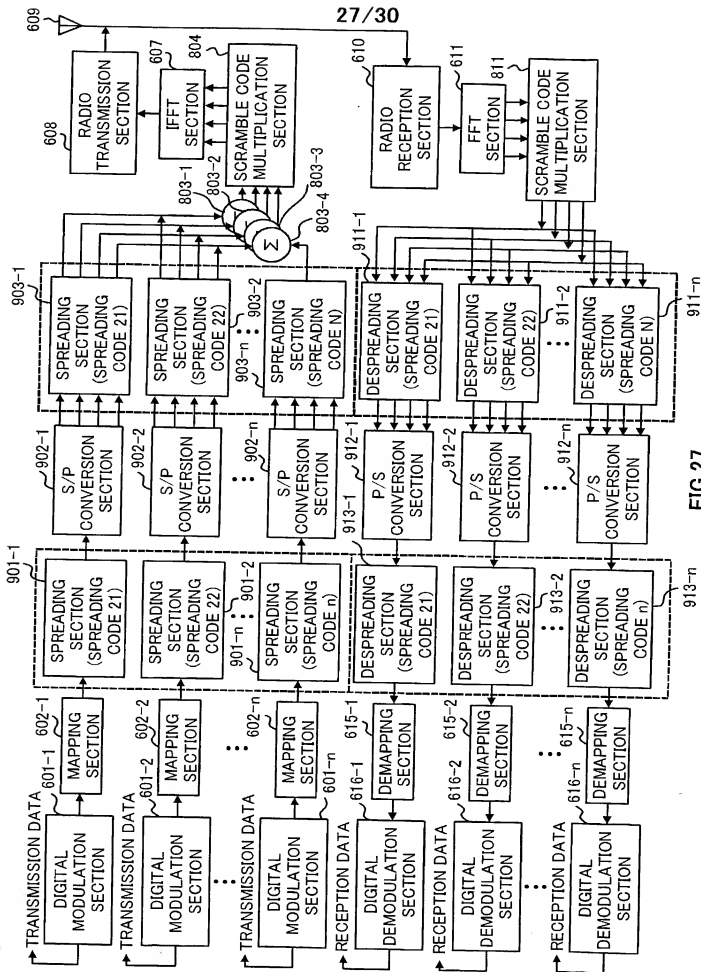


FIG.27

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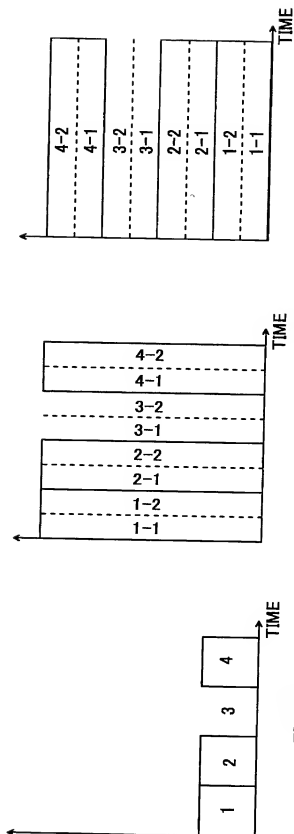


FIG. 28A

FIG. 28B

FIG. 28C

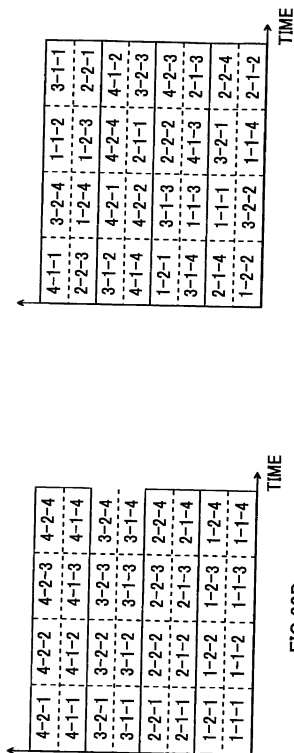


FIG. 28D

FIG. 28E

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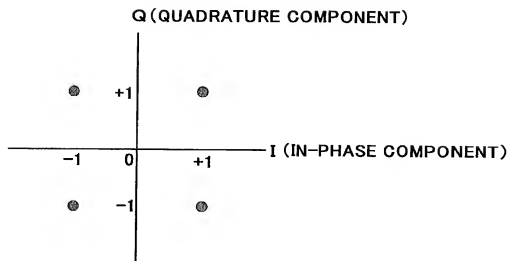


FIG. 29A

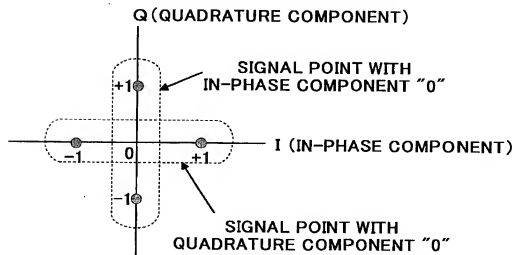


FIG. 29B

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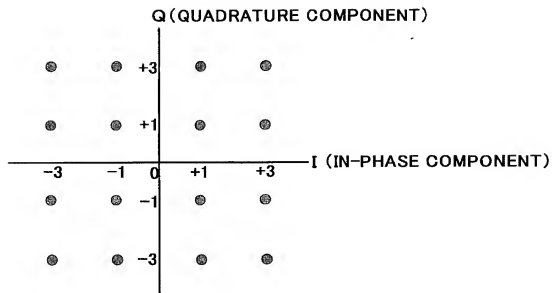


FIG.30A

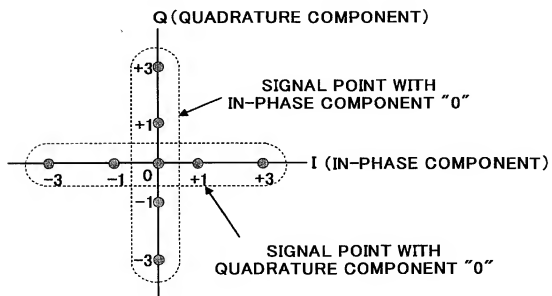


FIG.30B